

Prize	Winner	Belonging	Title
Best Presentation Award	Tomohito MIZOKAMI, Tomoya HIRAKAWA, Yoshimitsu KUROKI	National Institute of Technology, Kurume College, Japan	Multi-layer feature extraction with convolutional dictionary learning
Presentation Award by IPS Students	Kunyang LIU, Hirofumi SHINOHARA	Waseda University, Japan	Effective Dark-Bit Detection Scheme Based on EE SRAM Physically Unclonable Function and VSS Biasing Technique
Encouragement Award	Jun Rong CHAN, Wei Jie SOH, Li Xin TAN, Jing Wei Shannen WEE, Chern Nam YAP	Temasek Polytechnic, Singapore	Arithmetic Circuit Homomorphic Encryption Floating point Enhancement
	Yanqin ZOU	Southeast University, China	A Novel Bootstrap Diode with Improved Reverse Recovery Characteristics in 100V GaN Gate Driver ICs
Finalist of the Best Presentation Award	Chaojun WANG ¹ , Yaping DAI ¹ , Wei DAI ²	¹ Beijing Institute of Technology, China ² Allseeing Security, United States of America	Deep Embedding GAN-based Model for Anomaly Detection on High- dimensional Sparse Data
	Ling DU, Shengyu FANG, Jiro TANAKA	Waseda University, Japan	Enhance Interaction among User and Multiple Markers in Augmented Reality
	To Ni PHAN VAN ¹ , Trung Nghia TRAN ² , Koichi SHIMIZU ¹	¹ Waseda University, Japan ² Ho Chi Minh City University of Technology – VNU-HCM, Vietnam	Three dimensional transillumination imaging of human body using near –infrared light -- Attempt for application of deep learning --
	Xingyu WANG, Hirofumi SHINOHARA	Waseda University, Japan	A Thermal-Noise-Amplification Based True Random Number Generator
	Shiyang LIANG, Koichi SHIMIZU	Waseda University, Japan	Development of New Optical Technique for Noninvasive Measurement of Blood Turbidity
	Zhenhao JI, Chuan ZHUANG	Southeast University, China	Channel Estimation for Massive MIMO System with Spatial-wideband Effect